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To : Examiner S. Turner
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DATE: 5/19/00 PAGES: (including cover sheet)

Re: application of Alberto L. Mendoza
Serial No.: 09/082,112
Filed : May 20, 1998
Attorney Docket No. MSU 4.1-406

Draft for Interview

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2000 May 19

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Examiner S. Turner
PTO Group 1645

Re: application of Alberto L. Mendoza
Serial No.: 09/082,112
Filed: May 20, 1998
For: METHOD AND VACCINE FOR TREATMENT OF
PYTHIOSIS INSIDIOSI IN HUMANS AND
LOWER ANIMALS

Attorney Docket No.: MSU 4.1-406

Dear Ms. Turner:

In preparation for the interview which you suggested, enclosed are possible modifications to the claims which should clarify them. You can telephone me after you have reviewed them.

If there are any questions, please let me know.

Best wishes.

Sincerely,


Ian C. McLeod
ICM/ejm
encl.

MSU 4.1-406
S.N. 09/082,112
Claim modifications for consideration by Examiner

-16-(Twice Amended)

1 A method for treatment of Pythiosis in human
2 patients having the disease which comprises:

3 (a) providing a vaccine containing a mixture
4 of proteins of *Pythium insidiosum* in a sterile aqueous
5 solution, wherein the mixture of proteins is (1) of
6 mixed intracellular proteins separately removed from
7 disrupted cells of the *Pythium insidiosum* grown in a
8 culture medium and (2) of mixed extracellular proteins
9 separately removed from the culture medium for growing
10 the *Pythium insidiosum*, and then(1) and (2) were mixed
11 together; and

12 (b) vaccinating the patient with the vaccine.

-2-

-18-(Twice amended)

1 A method for the treatment of Pythiosis in a
2 mammal having the disease which comprises:

3 (a) providing an injectable vaccine derived
4 from growing cells of *Pythium insidiosum* in a culture
5 medium which comprises in a sterile aqueous solution in
6 admixture:

7 (1) mixed intracellular proteins separately
8 removed from disrupted cells of the *Pythium insidiosum*;
9 and

10 (2) mixed extracellular proteins separately
11 removed from a supernatant from growing the cells of the
12 *Pythium insidiosum*, wherein the separately removed (1)
13 and (2) were mixed together; and

14 (b) vaccinating the mammal with the vaccine.

-3-

-19- (Twice Amended)

1 The method of Claim 18 wherein the
2 intracellular and extracellular [removed] proteins have
3 been provided by growing cells of the *Pythium insidiosum*
4 in the culture medium, then killing the cells, then
5 separating the killed cells from the culture medium to
6 produce a first supernatant containing the mixed
7 extracellular proteins and then disrupting the killed
8 cells in sterile water to provide the mixed
9 intracellular proteins in a second supernatant and
10 separately removing the mixed intracellular proteins
11 from the disrupted cells and separately removing the
12 mixed extracellular proteins [from the disrupted cells
13 and removing mixed extracellular proteins] from the
14 first supernatant, and mixing the separately removed
15 extracellular proteins and intracellular proteins
16 together.